



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**CENTRIA, Inc.**  
1005 Beaver Grade Road  
Moon Township, PA 15108

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: "Formawall Dimension Series" Steel Skins with Urethane Foam Core Wall Panel

**APPROVAL DOCUMENT:** Drawing No. 1, titled "Formawall Dimension Series Cross Sections and Details", sheets 1 through 5 of 5, prepared by CENTRIA, Inc., dated August 26, 2002, sheet 1 of 5; February 06, 2002, sheet 2 of 5; September 25, 2001, sheet 3 of 5; December 13, 2001, sheets 4 & 5 of 5, signed and sealed by John E. Pflugh, P.E., on September 11, 2012, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 11-1230.02 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



*Helmy A. Makar*  
03/14/2013

NOA No. 12-1005.07  
Expiration Date: 03/07/2018  
Approval Date: 03/14/2013

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1107.01**

**A. DRAWINGS**

1. *Drawing No. 1, titled "Formawall Dimension Series Cross Sections and Details", sheets 1 through 5 of 5, prepared by Chunbo Shim, P.E., dated February 06, 2002, sheets 1 & 2 of 5; September 25, 2002, sheet 3 of 5; December 13, 2001, sheets 4 & 5 of 5, signed and sealed by Chunbo Shim, P.E.*

**B. TESTS**

1. *Test reports on*
  - 1) *Air Infiltration Test, per SFBC, PA 202-94*
  - 2) *Uniform Static Air Pressure Test, per SFBC PA 202-94*
  - 3) *Water Resistance Test, per SFBC, PA 202-94*
  - 4) *Large Missile Impact Test per SFBC, PA 201-94*
  - 5) *Cyclic Wind Pressure Loading per SFBC, PA 203-94*

*along with marked-up drawings and installation diagram of wall panel, prepared by Architectural Testing, Test Report No. 01-37054.01, dated August 31, 2000, signed and sealed by Allen N. Reeves, P.E.*

**C. CALCULATIONS**

1. *Calculations and structural analysis, titled "Formawall Dimension Series", prepared by David M. Borland, dated October 16, 2000, signed and sealed by Chunbo Shim, P.E on October 16, 2000.*

**D. MATERIAL CERTIFICATIONS**

1. *Tensile Test Report No. 01-37054.02, prepared by Architectural Testing Inc., dated 10/02/2000, signed and sealed by Allen N. Reeves, P.E.*
2. *Test report for foam plastic.*

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0927.11**

**A. DRAWINGS**

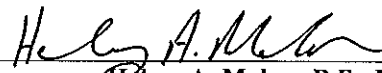
1. *Drawing No. 1, titled "Formawall Dimension Series Cross Sections and Details", sheets 1 through 5 of 5, prepared by Chunbo Shim, P.E., dated August 26, 2002, sheet 1 of 5; February 06, 2002, sheet 2 of 5; September 25, 2002, sheet 3 of 5; December 13, 2001, sheets 4 & 5 of 5, signed and sealed by Chunbo Shim, P.E.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*



Helmy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 12-1005.07  
Expiration Date: 03/07/2018  
Approval Date: 03/14/2013

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. MATERIAL CERTIFICATIONS**

1. *Tensile Test Report No. 01-37054.04, prepared by Architectural Testing Inc., dated May 21, 2002, signed and sealed by Allen N. Reeves, P.E.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0103.06**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #11-0414.02**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

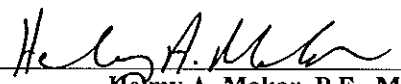
1. *By Miami-Dade County Building and Neighborhood Compliance Department.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. OTHERS**

1. *Compliance letter by CENTRIA, Inc., dated September 12, 2011, sign and sealed by Chunbo Shim, P.E., certifying that this product complies with the 2007 Florida Building Code.*



Tommy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 12-1005.07  
Expiration Date: 03/07/2018  
Approval Date: 03/14/2013

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-1230.02**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**6. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. 1, titled "Formawall Dimension Series Cross Sections and Details", sheets 1 through 5 of 5, prepared by CENTRIA, Inc., dated August 26, 2002, sheet 1 of 5; February 06, 2002, sheet 2 of 5; September 25, 2001, sheet 3 of 5; December 13, 2001, sheets 4 & 5 of 5, signed and sealed by John E. Pflugh, P.E., on September 11, 2012.*

**B. TESTS**

1. *Test reports on Uniform Static Air Pressure Test, per SFBC PA 202-94 along with marked-up drawings and installation diagram of wall panel, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T266-12, dated July 31, 2012, signed and sealed by Daniel G. Farabaugh, P.E., on August 21, 2012.*

**C. CALCULATIONS**

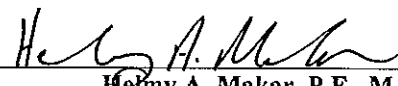
1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

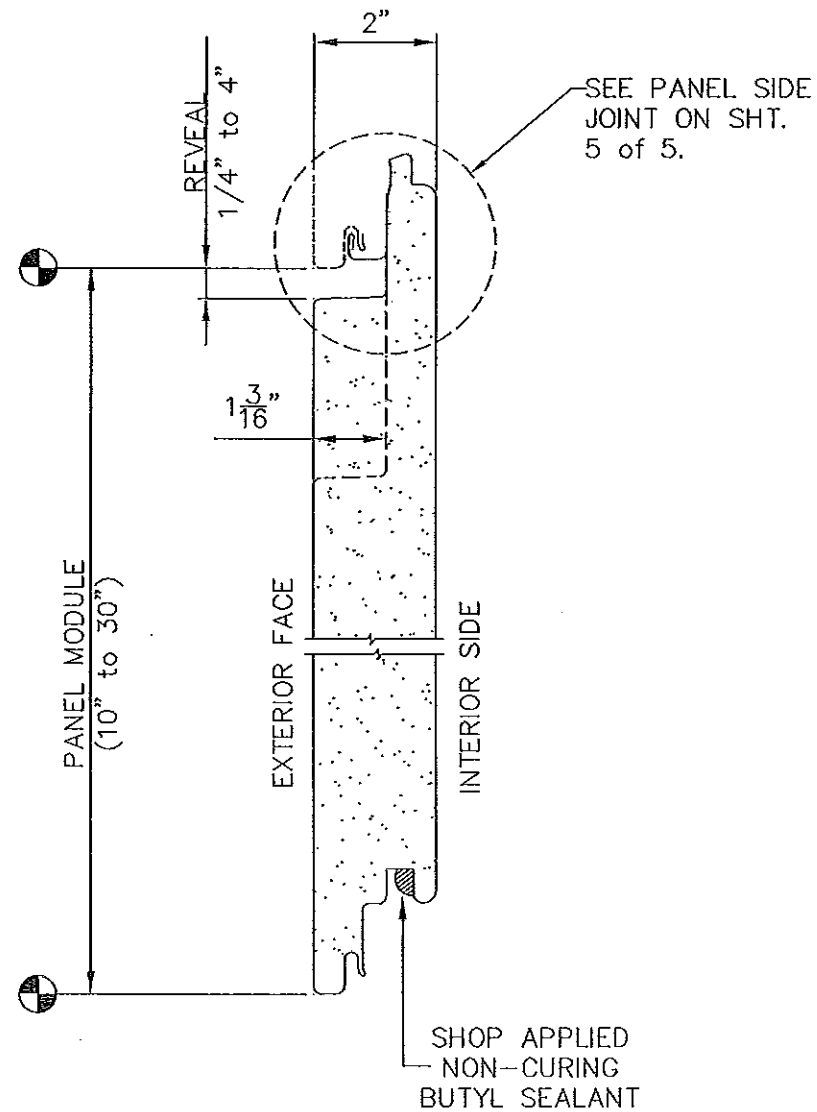
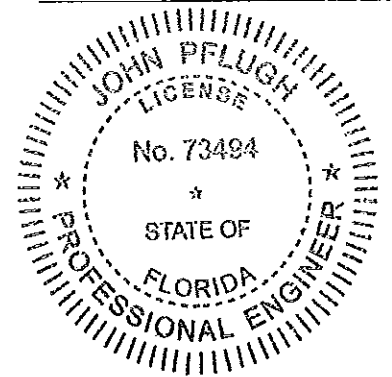
**E. MATERIAL CERTIFICATIONS**

1. *Compliance letter by CENTRIA, Inc., dated September 10, 2012, sign and sealed by John E. Pflugh, P.E., certifying that this product complies with the 2010 Florida Building Code.*

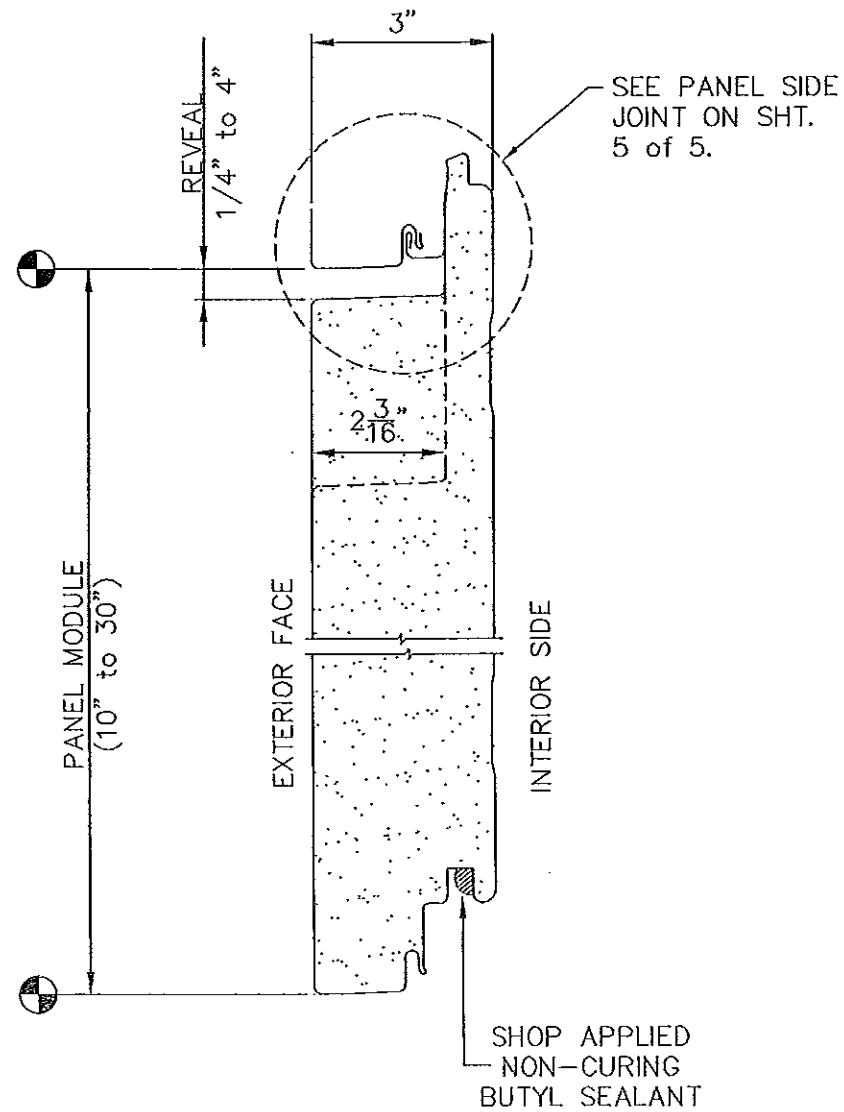


Helmy A. Makar, P.E., M.S.  
Product Control Unit Supervisor  
NOA No. 12-1005.07  
Expiration Date: 03/07/2018  
Approval Date: 03/14/2013

John E. Pflugh  
09-11-2012



2" HORIZONTAL PANEL



3" HORIZONTAL PANEL

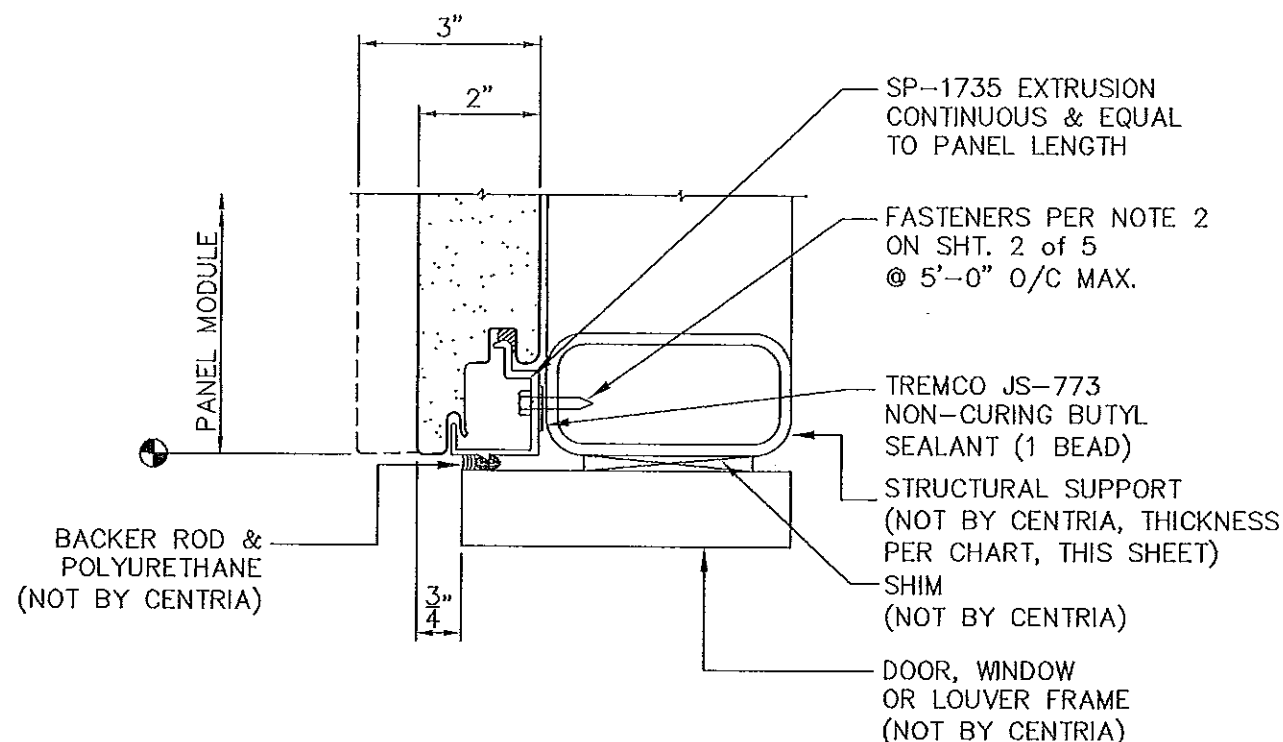
PANEL SPECIFICATIONS

- 1) INTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.030" MINIMUM THICKNESS.
- 2) EXTERIOR SKIN SHALL BE ASTM A653, GRADE 50, G90 GALVANIZED STEEL WITH 0.031" MINIMUM THICKNESS.
- 3) SHOP APPLIED SEALANT SHALL BE 3/8"x 3/8" CONTINUOUS BEAD OF NON-CURING BUTYL (JS-773) MANUFACTURED BY TREMCO, BEACHWOOD, OHIO.
- 4) FIELD APPLIED SEALANT SHALL BE: TREMCO JS-773, NON-CURING BUTYL BY TREMCO, BEACHWOOD, OHIO.
- 5) CORE MATERIAL IS URETHANE FOAM WITH A DENSITY OF 2.78 (MIN.) PCF TO 3.1 PCF.
- 6) URETHANE FOAM PLASTIC PROPERTIES:  
SELF IGNITION TEMPERATURE per ASTM D1929 - 806°F.  
FLASH IGNITION TEMPERATURE per ASTM D1929 - 686°F.  
FLAME SPREAD INDEX per ASTM E84 - LESS THAN 25.  
SMOKE DEVELOPED per ASTM E84 - LESS THAN 450.

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-1005.07  
Expiration Date 03/07/2018  
By *[Signature]*  
Miami Dade Product Control

Formawall Dimension Series  
Cross Sections and Details  
CENTRIA  
1005 BEAVER GRADE ROAD  
MOON TOWNSHIP, PA 15108

DWG.	SH.	DATE	REV.
1	1 of 5	08/26/02	5



**HEAD OPENING for  
HORIZONTAL PANEL**

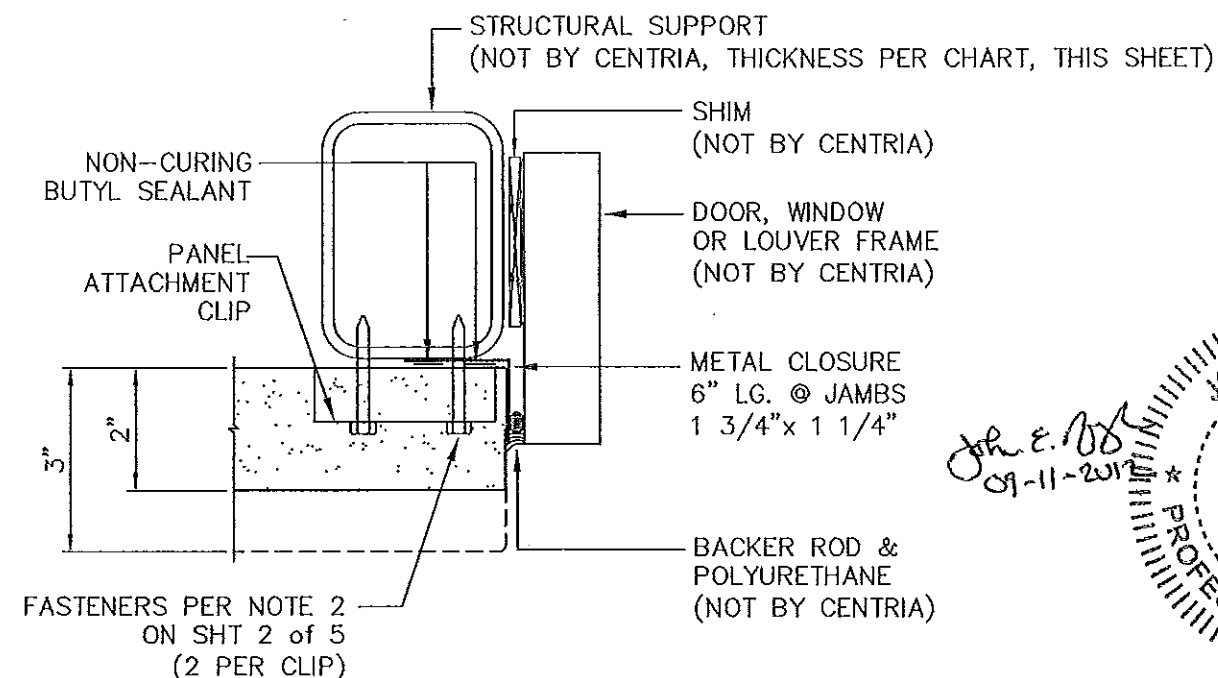
DESIGN PARAMETERS for HORIZONTAL and VERTICAL PANELS *					
PANEL ALLOWABLE BENDING MOMENT		PANEL ALLOWABLE REACTION		E x I	SUPPORT THICKNESS (MIN.)
IN-SPAN	AT SUPPORT	END SUPT.	INTERIOR SUPT.		
165 lb-ft	293 lb-ft	146 lb	488 lb	$3.747 \times 10^6 \text{ lb-in}^2$	**

\* MAXIMUM PANEL SPAN = 6'-0" AND MINIMUM PANEL SPAN = 1'-4". FOR MAXIMUM DESIGN PRESSURE SEE NOTE #6 BELOW.

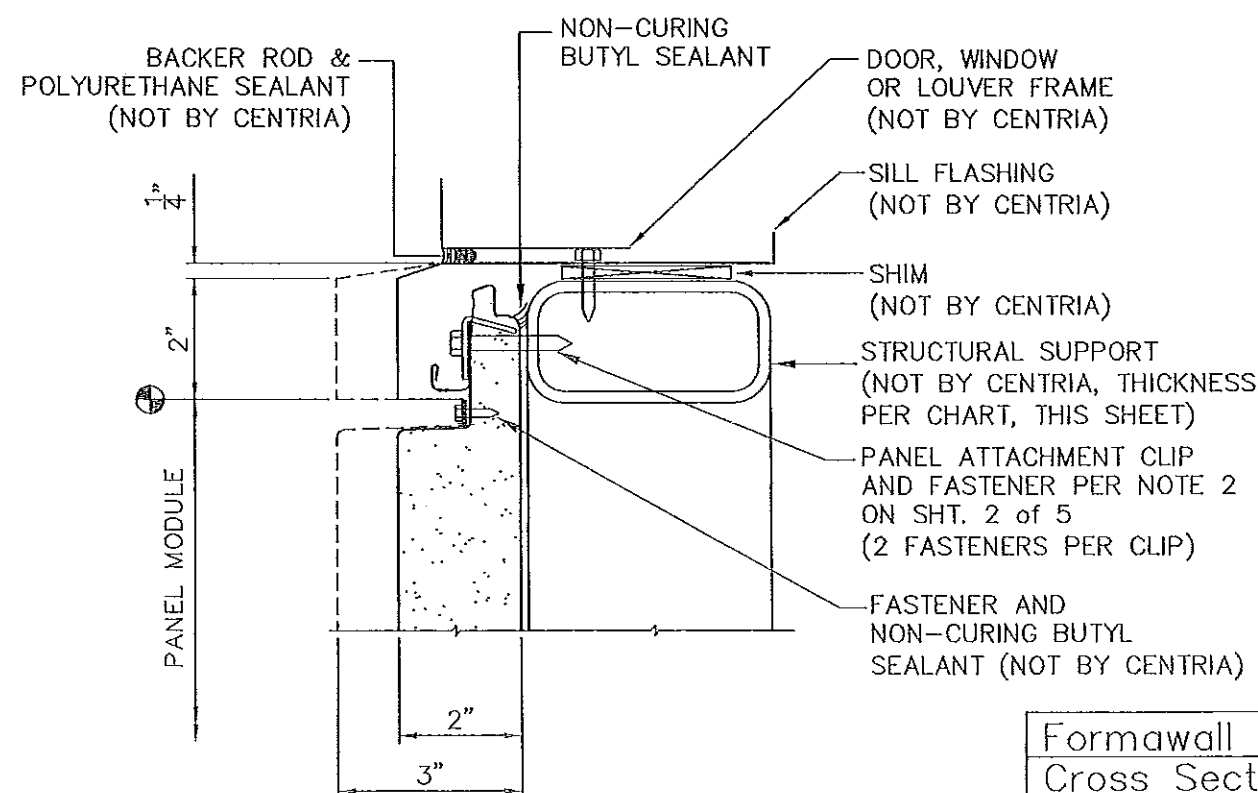
\*\* MINIMUM STRUCTURAL SUPPORT MATERIAL THICKNESS "t" SHALL BE AS FOLLOWS:  
 6'-0" ≥ PANEL SPAN > 1'-4":  $t = 3/16"$   
 PANEL SPAN = 1'-4":  $t = 0.0710"$

1. ABOVE DESIGN PARAMETERS BASED ON ONE FOOT UNIT WIDTH.
2. FASTENERS TO BE 1/4-14 x 1 3/4" HEX HEAD STAINLESS STEEL-2 PER CLIP.
3. FASTENERS TO BE FROM ATLAS BOLT AND SCREW, ASHLAND, OHIO.
4. PANELS PROVIDE NO DIAPHRAGM CAPACITY.
5. MAXIMUM PANEL SPAN IS 6'-0".
6. THE MAXIMUM ALLOWABLE DESIGN PRESSURE SHALL BE THE LOWEST PRESSURE DERIVED FROM THE PANEL ALLOWABLE DESIGN CRITERIA SHOWN ABOVE. THE MAXIMUM DESIGN PRESSURE IS 170.0 PSF.
7. THE MAXIMUM PANEL DEFLECTION SHALL BE L/180.
8. PANEL SHALL BE ATTACHED TO STEEL SUPPORTS USING CLIPS IN THE SIDE JOINT AND SP-1735 BASE EXTRUSION AT THE BASE AS SHOWN ON DWGS 2 & 5 of 5.

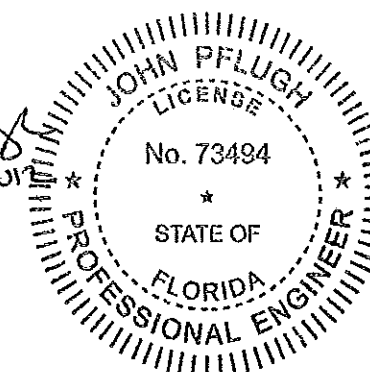
NOTE: PRODUCT CONTROL APPROVAL IS LIMITED TO THE WALL PANEL AND ITS ATTACHMENT FASTENERS TO THE STRUCTURAL STEEL FRAMING. THE STRUCTURAL ADEQUACY OF THE STEEL FRAMING AND ALL OTHER STRUCTURAL MEMBERS, CONNECTIONS AND FOUNDATION SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE APPROPRIATE BUILDING DEPARTMENT.



**JAMB OPENING for  
HORIZONTAL PANEL**



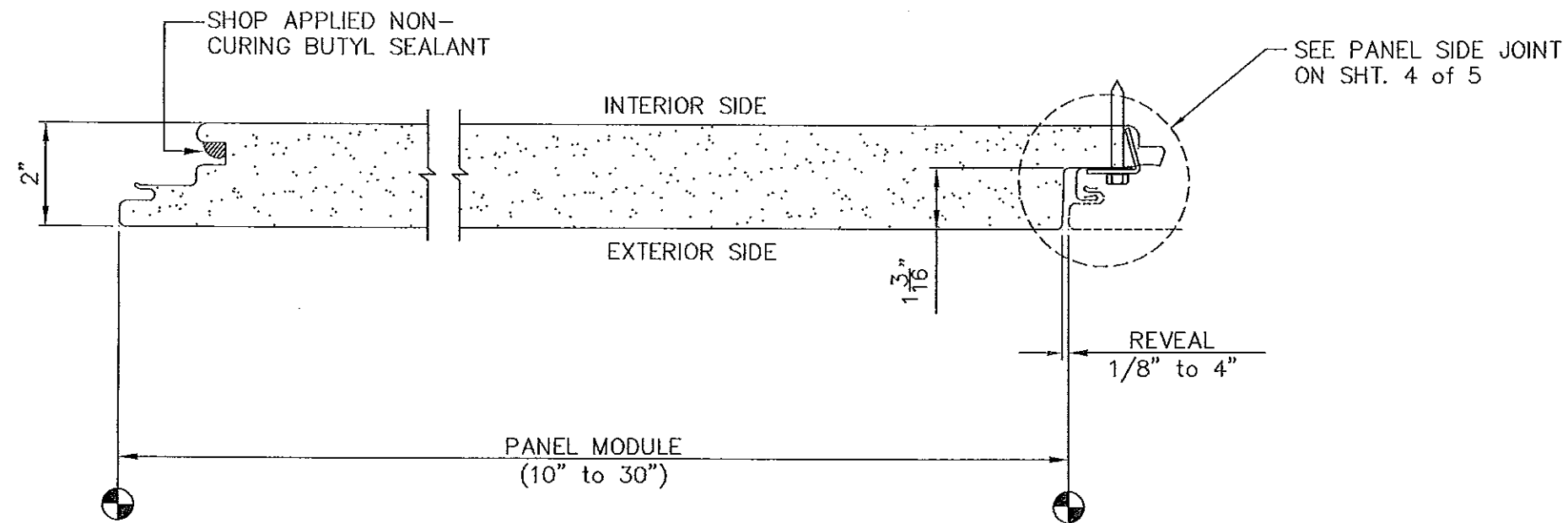
**SILL OPENING for  
HORIZONTAL PANEL**



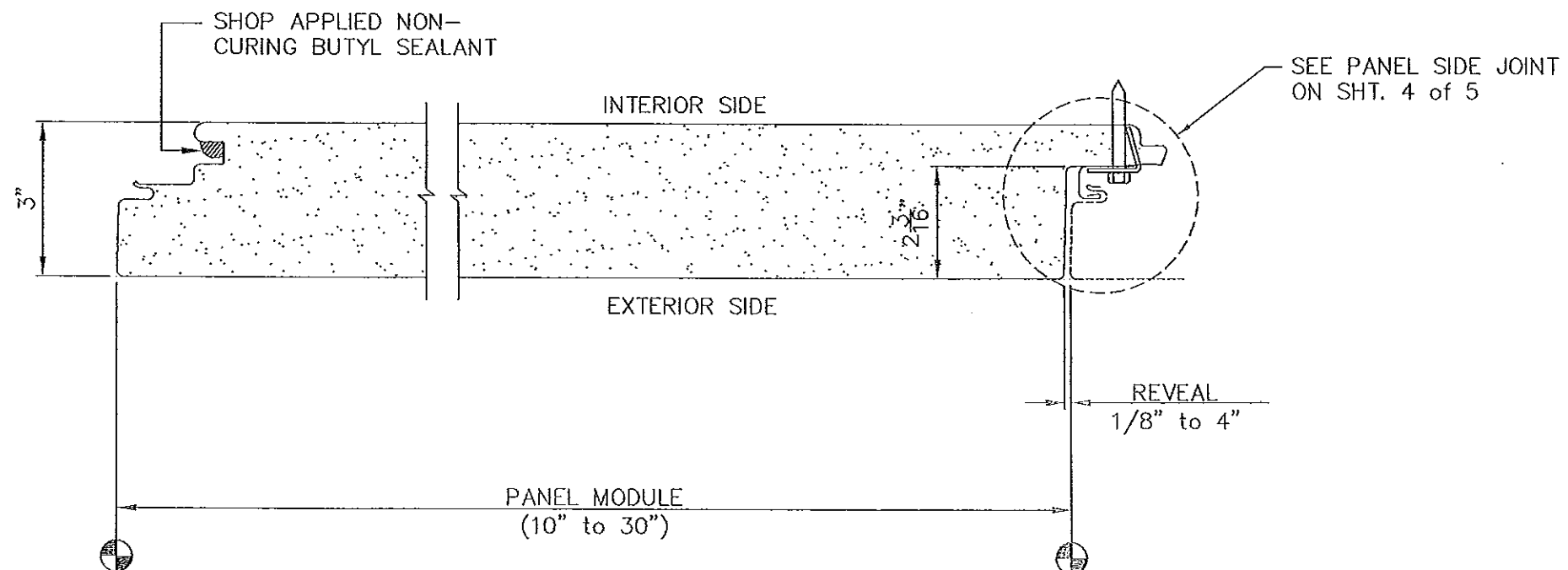
PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-1005.07  
 Expiration Date 03/07/2018  
 By *[Signature]*  
 Miami Data Product Control

Formawall Dimension Series  
 Cross Sections and Details  
 CENTRIA  
 1005 BEAVER GRADE ROAD  
 MOON TOWNSHIP, PA 15108

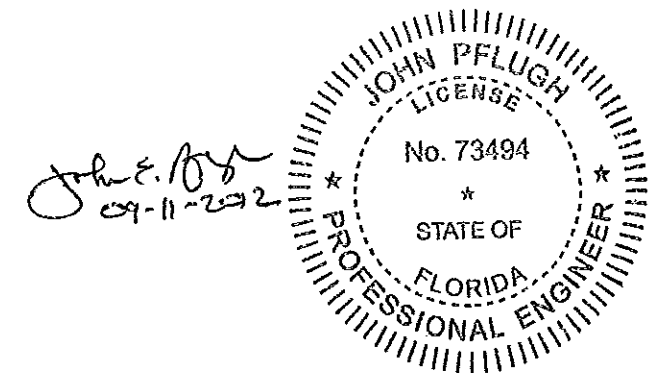
DWG.	SH.	DATE	REV.
1	2 of 5	02/06/02	4



**2" VERTICAL PANEL**



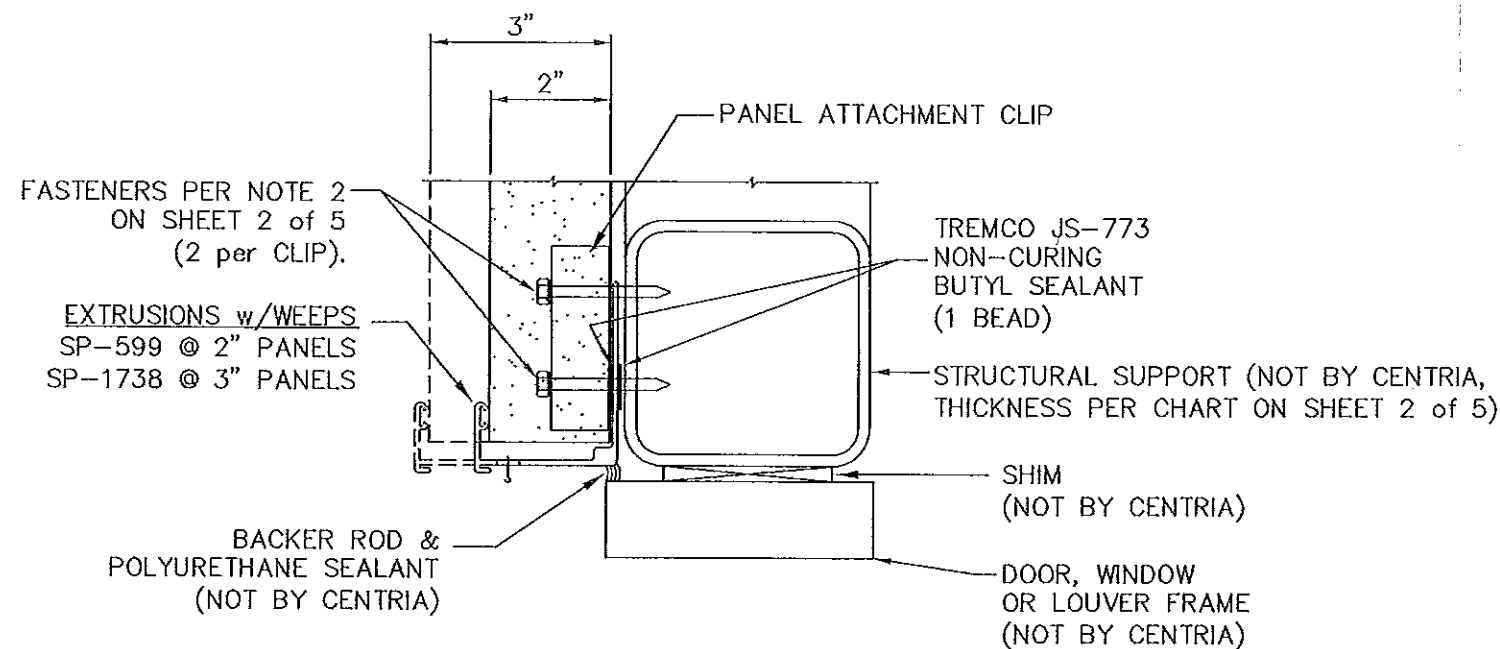
**3" VERTICAL PANEL**



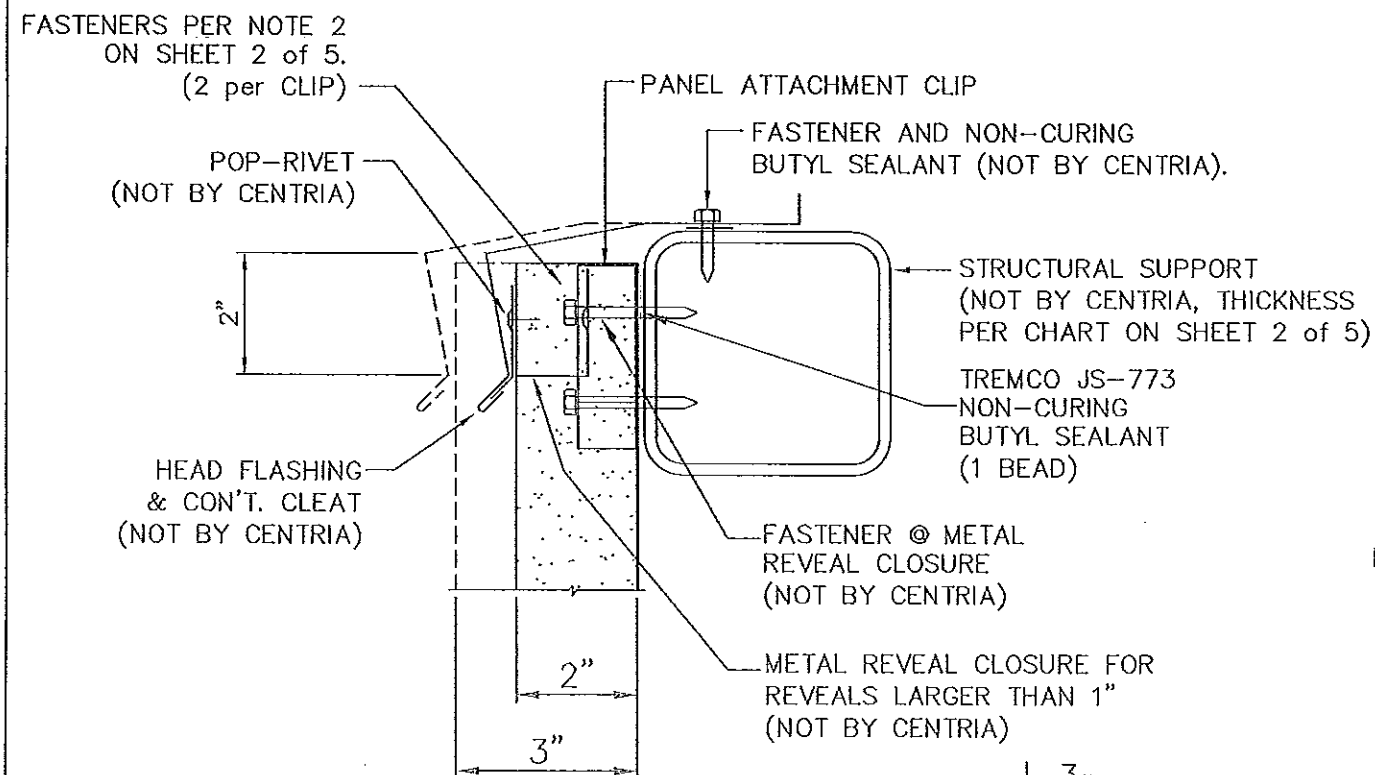
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-1005.07  
Expiration Date 03/07/2018  
By *Heidi A. Miller*  
Miami Dade Product Control

Formawall Dimension Series  
Cross Sections and Details  
CENTRIA  
1005 BEAVER GRADE ROAD  
MOON TOWNSHIP, PA 15108

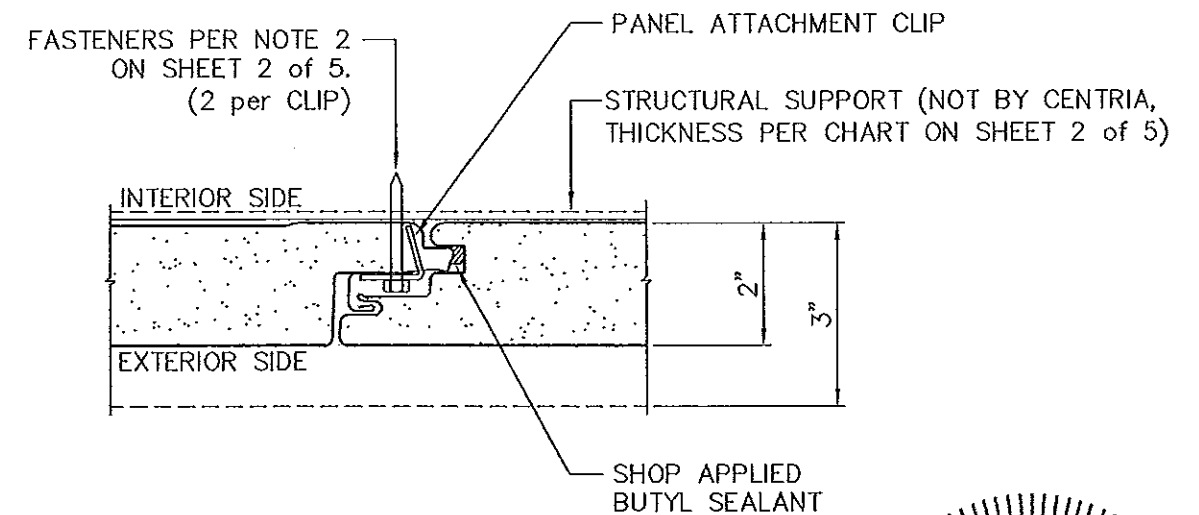
DWG.	SH.	DATE	REV.
1	3 of 5	09/25/01	2



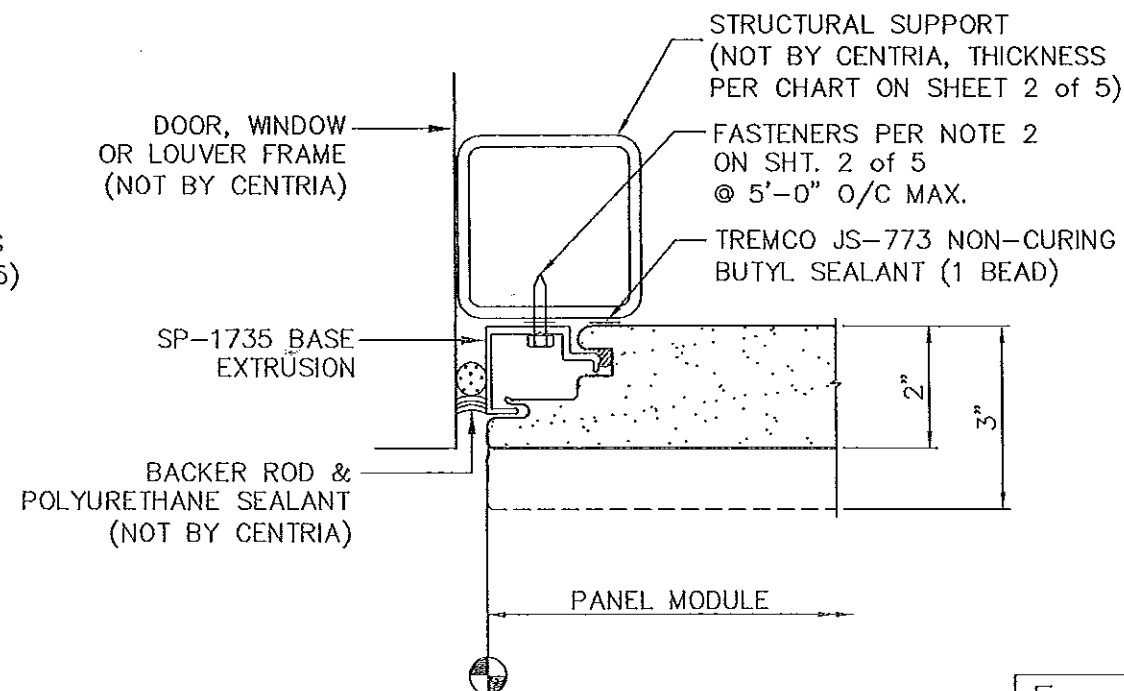
**HEAD OPENING for  
VERTICAL PANELS**



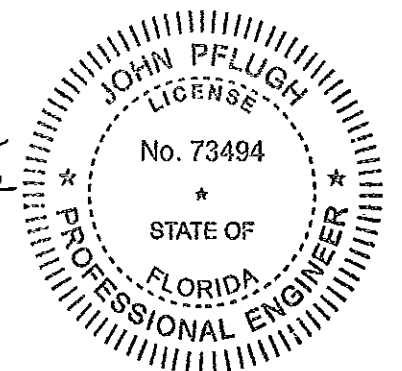
**SILL OPENING for  
VERTICAL PANELS**



**PANEL SIDE JOINT for  
VERTICAL PANELS**



**JAMB OPENING for  
VERTICAL PANELS**

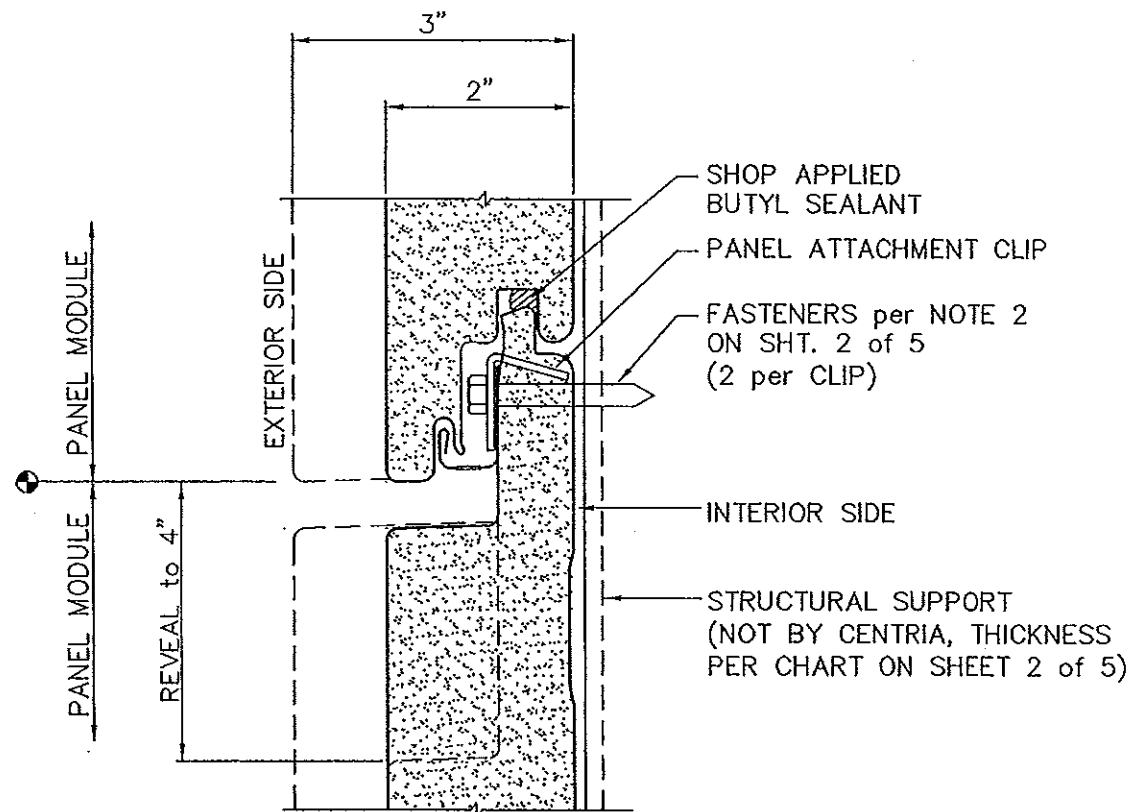


PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 12-1005.07  
Expiration Date 03/07/2018  
By: [Signature]  
Miami Data Product Control

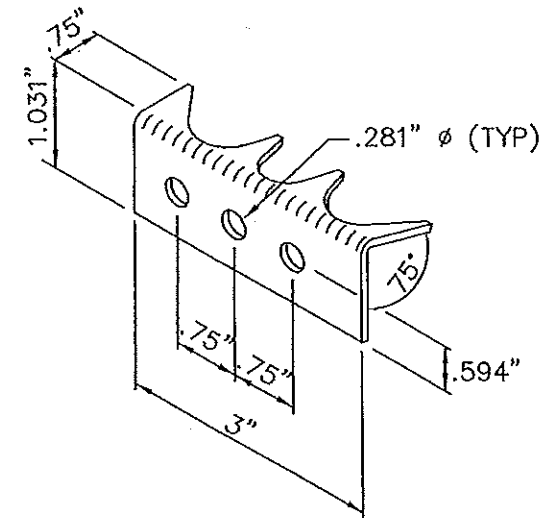
Formawall Dimension Series  
Cross Sections and Details  
CENTRIA  
1005 BEAVER GRADE ROAD  
MOON TOWNSHIP, PA 15108

DWG.	SH.	DATE	REV.
1	4 of 5	12/13/01	3



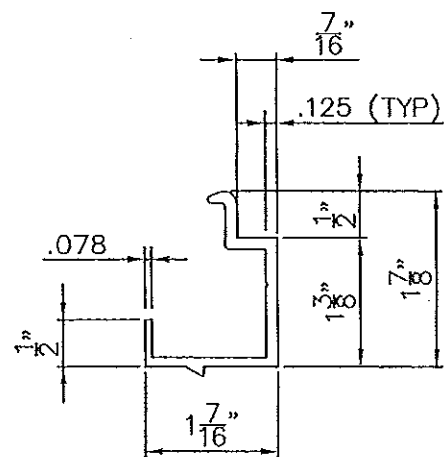
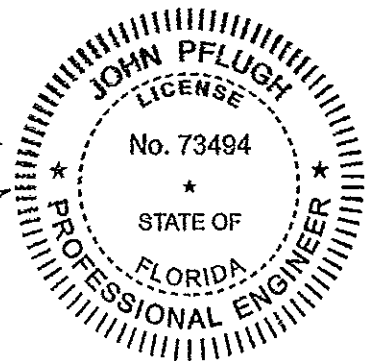


**PANEL SIDE JOINT FOR  
HORIZONTAL PANELS**

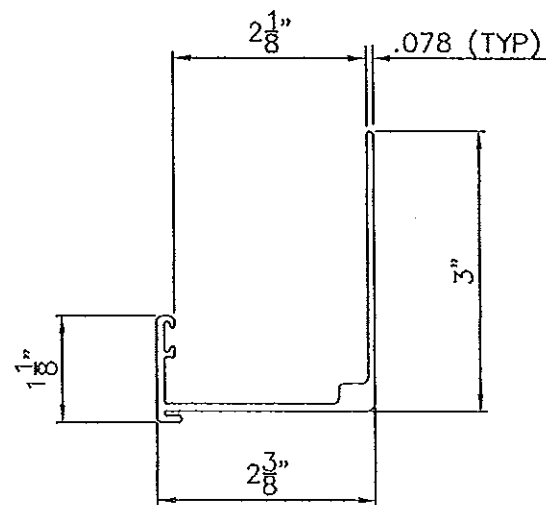


**A-31 ATTACHMENT CLIP**  
12 GAGE, (.1046" MIN) ASTM A-653  
GRADE 33, G90 GALV.

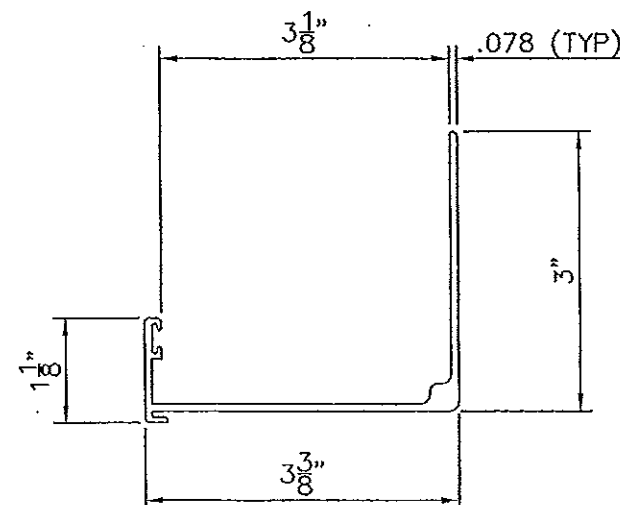
*John E. Pflugh*  
09-11-2012



**SP1735 BASE EXTRUSION**  
WITH WEEP HOLES  
(2" & 3" PANELS)  
6063-T5 ALUMINUM



**SP599 BASE EXTRUSION**  
(2" PANELS)  
6063-T5 ALUMINUM



**SP1738 BASE EXTRUSION**  
(3" PANELS)  
6063-T5 ALUMINUM

PRODUCT RENEWED  
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By *John E. Pflugh*  
Miami Dade Product Control

Formawall Dimension Series  
Cross Sections and Details  
CENTRIA  
1005 BEAVER GRADE ROAD  
MOON TOWNSHIP, PA 15108

DWG.	SH.	DATE	REV.
1	5 of 5	12/13/01	2